



HEIFER  
INTERNATIONAL



The mission of Heifer International is to work with communities to end hunger and poverty and care for the earth.



# Global Leader in Sustainable Development

Hunger



Food Security

Poverty



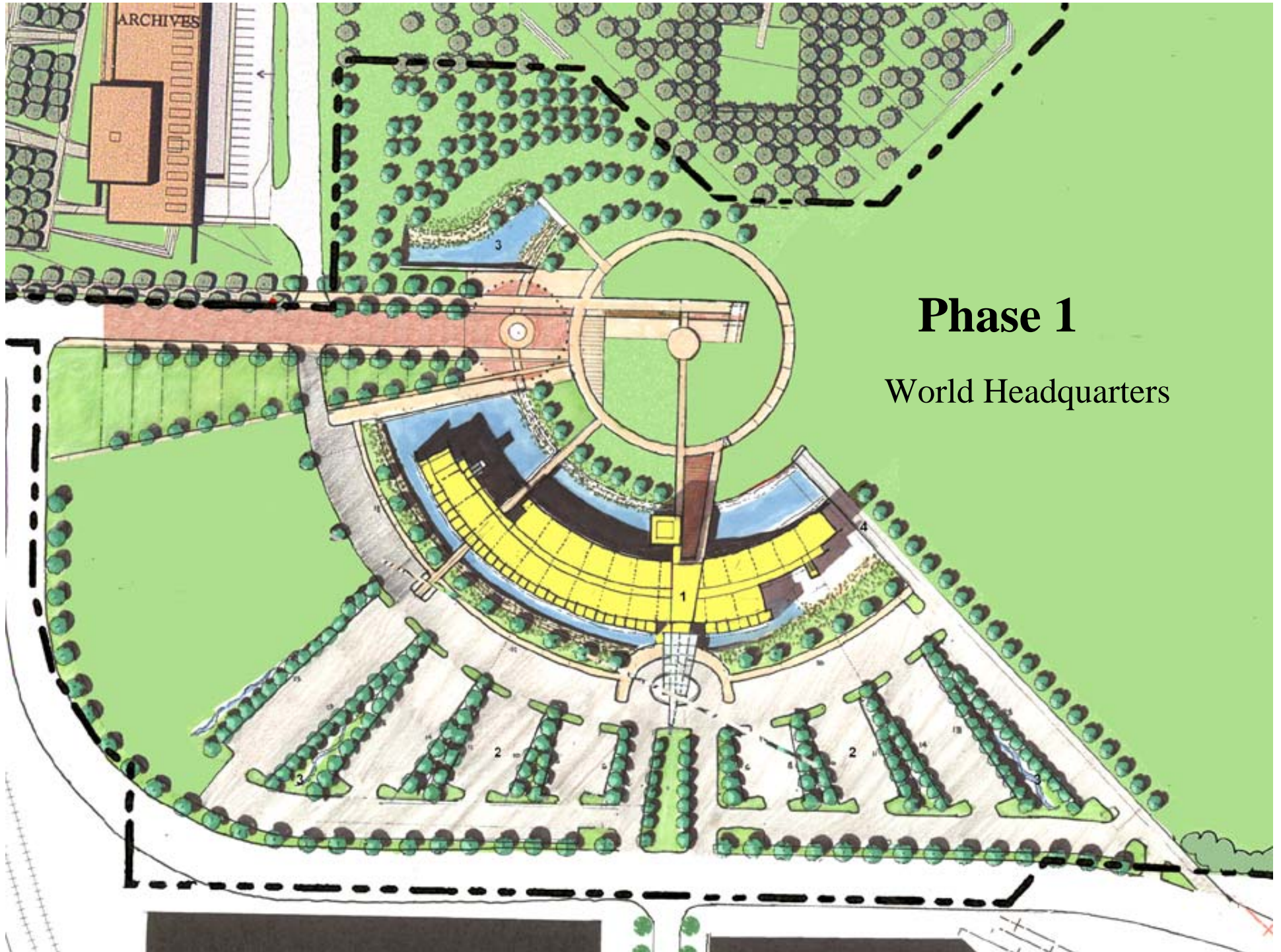
Income Development

Environmental Degradation



Sustainable Management of Natural Resources

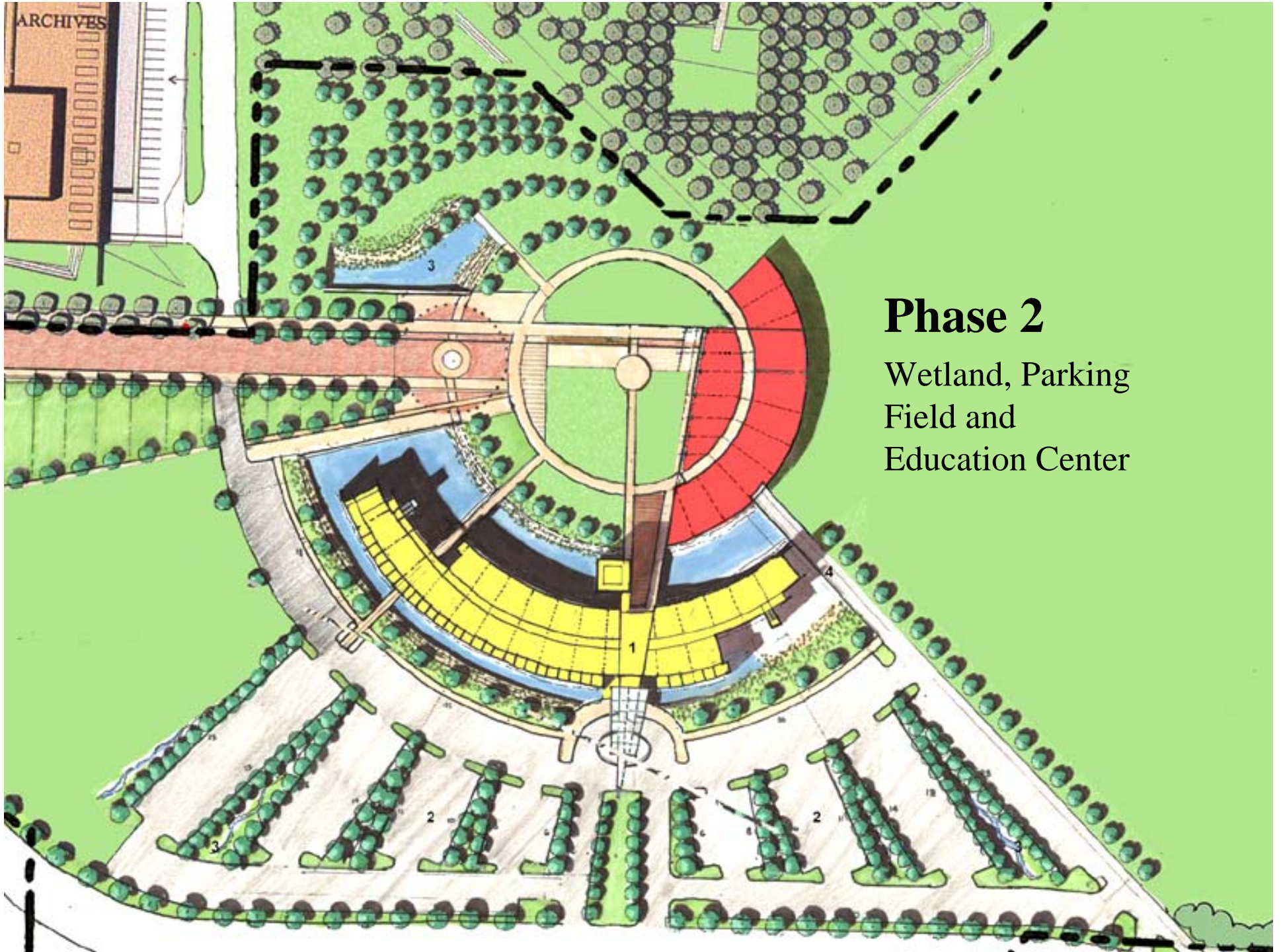




## Phase 1

World Headquarters

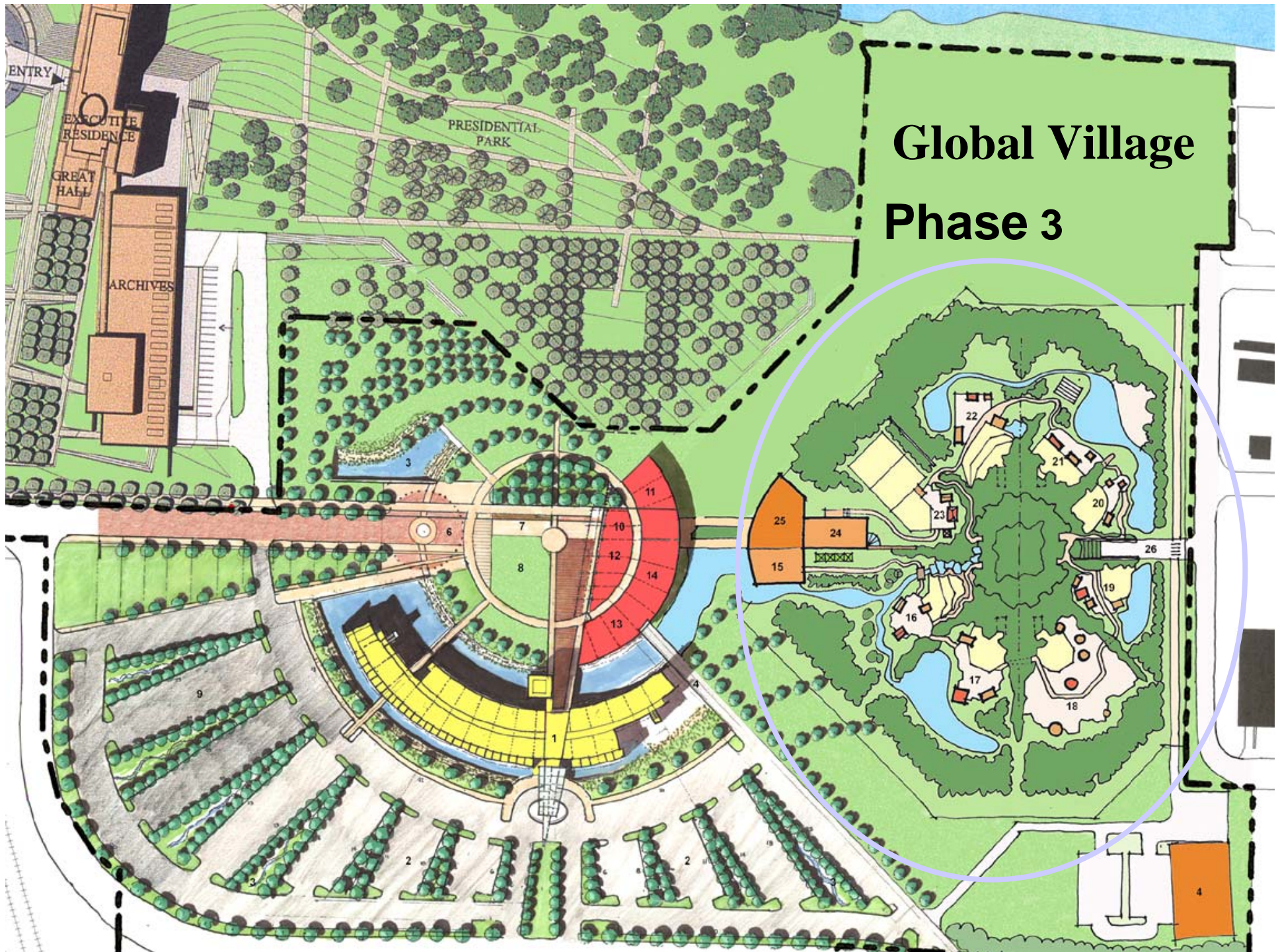




## Phase 2

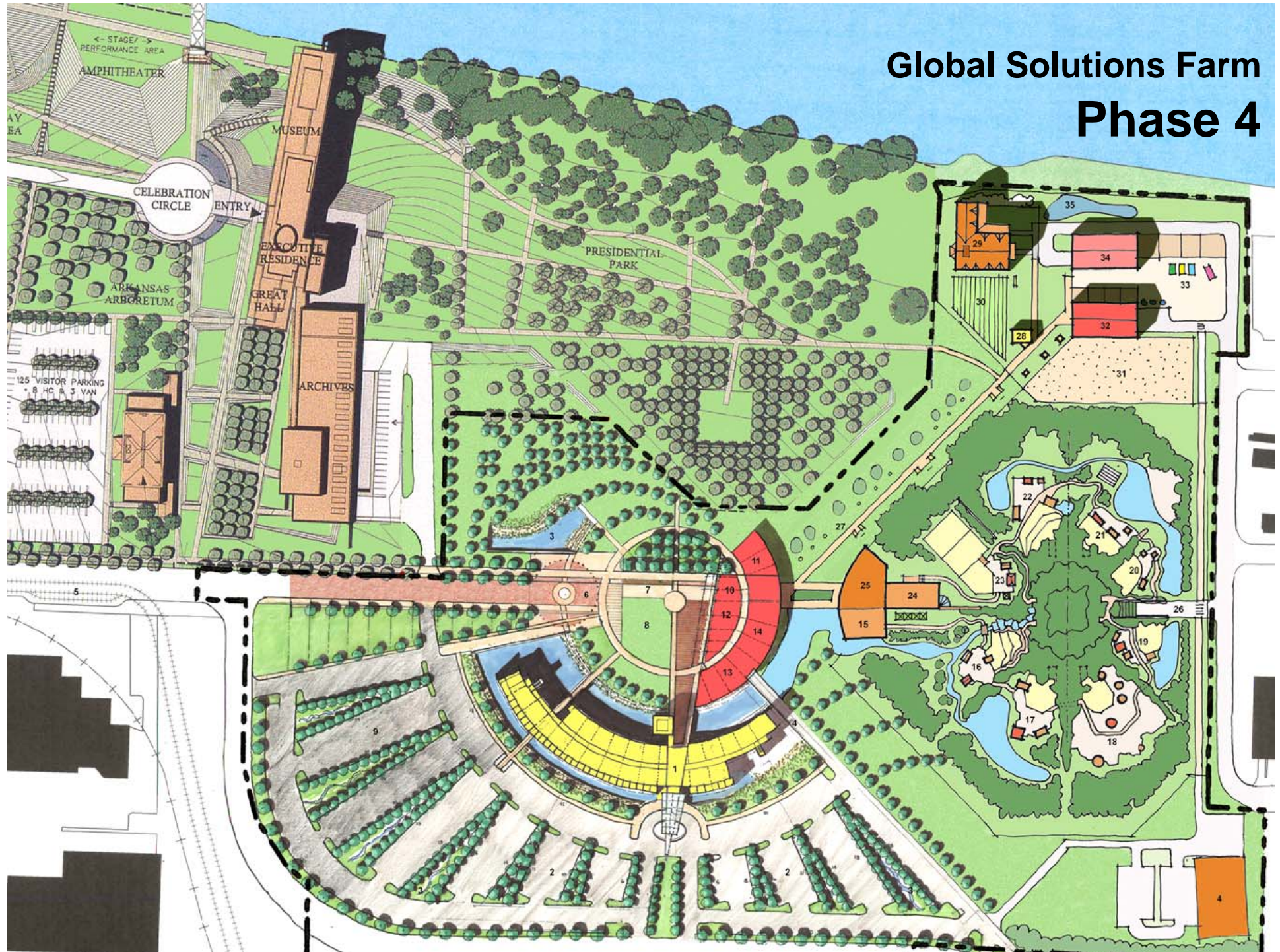
Wetland, Parking  
Field and  
Education Center





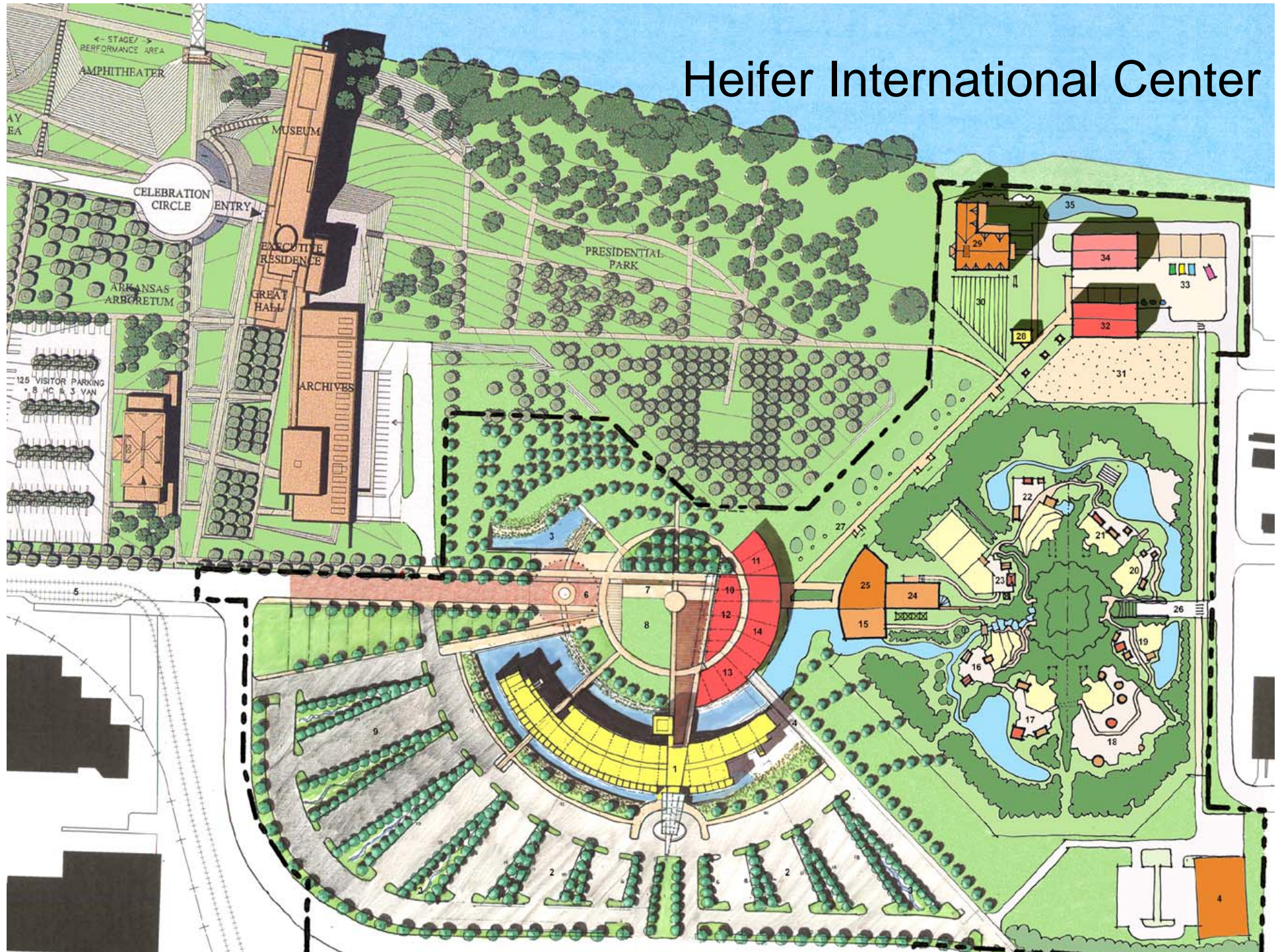


# Global Solutions Farm Phase 4





# Heifer International Center





# Heifer International Center

## Key Project Concepts

- **The Process** - Journey is more important than the destination.
- **Whole System Analysis** – How all things relate to each other. (Form and Function are important).
- **Think Quality** – Long term and not quantity.
- **All Working Together** – Team Architects, Engineers, Consultants, Employees, & Building Management.
- **Long term costs are more important than short term costs.**





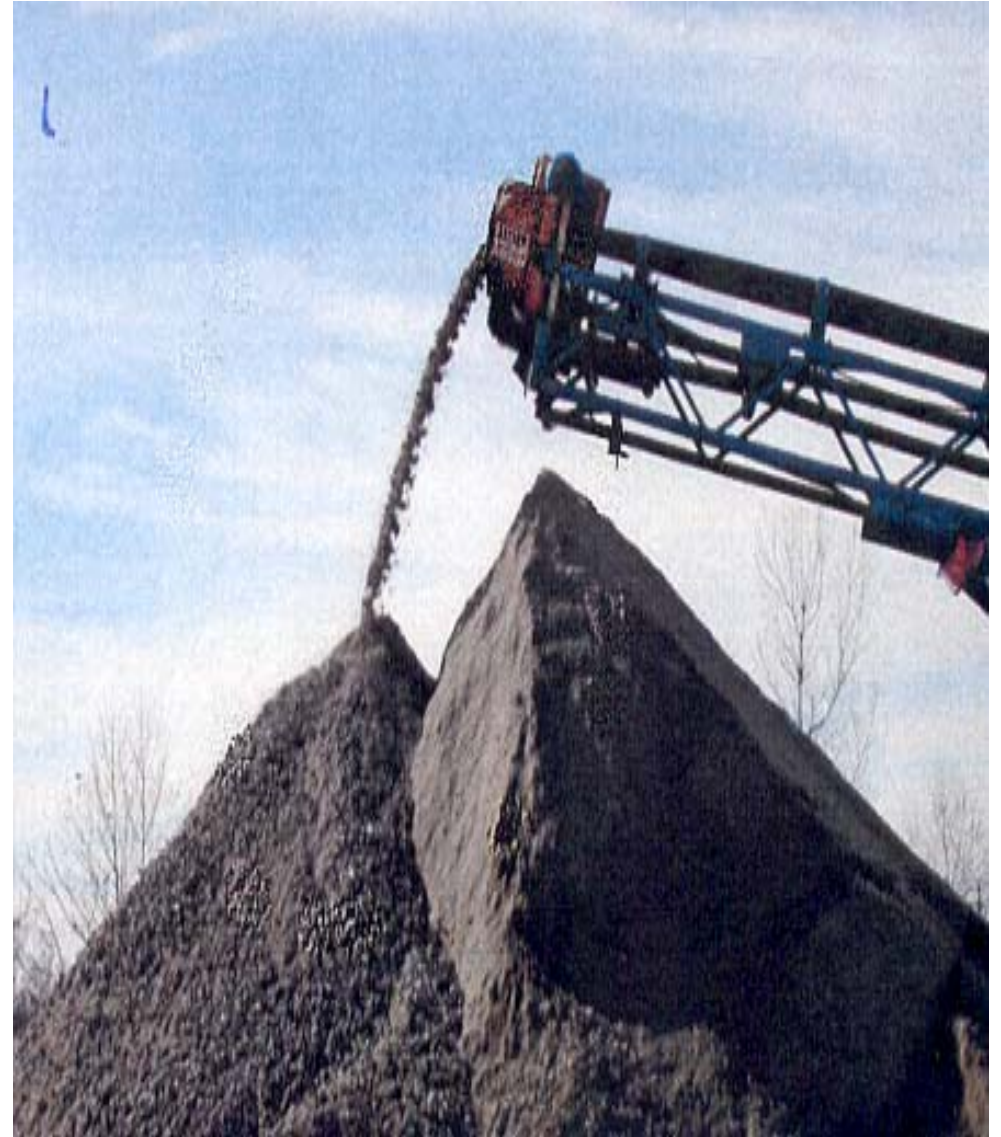
## What is Green Design?

**Design and construction practices that significantly reduce or eliminate the negative impact of buildings on the environment and occupants in five broad areas.**

- Sustainable site planning
- Safeguarding water and water efficiency
- Energy efficiency and renewable energy
- Conservation of materials and resources
- Indoor environmental quality



# Sustainable Site Planning





# City of Little Rock - 1871















OWNER'S PROJECT ARCHITECT  
 HEIFER INTERNATIONAL, LITTLE ROCK, AR  
 CIVIL ENGINEER  
 MECHANICAL ENGINEER  
 LANDSCAPE ARCHITECT  
 LITTLE ROCK, AR  
 STRUCTURAL ENGINEER  
 LITTLE ROCK, AR  
 MECHANICAL, ELECTRICAL, & PLUMBING ENGINEER  
 LITTLE ROCK, AR

INTERPRETIVE DESIGN  
 GREENHOUSE DESIGN ASSOCIATES  
 SUSTAINABLE CONSULTANT  
 GREENHOUSE DESIGN ASSOCIATES  
 INTERIOR DESIGNER  
 GENERAL CONTRACTOR  
 GCS

# HEIFER INTERNATIONAL CENTER AND GLOBAL VILLAGE LITTLE ROCK, ARKANSAS 08 OCTOBER 2002 PSYK10



SCALE:  
 1" = 100'

POLK STANLEY YEARY  
 ARCHITECTS, LTD.  
 1015 S. JOHNSON  
 LITTLE ROCK, AR 72202  
 501-382-0000  
 2114 N. MAIN STREET, SUITE 200  
 LITTLE ROCK, AR 72202  
 501-382-0000





























# Environmental Impact of Buildings\*

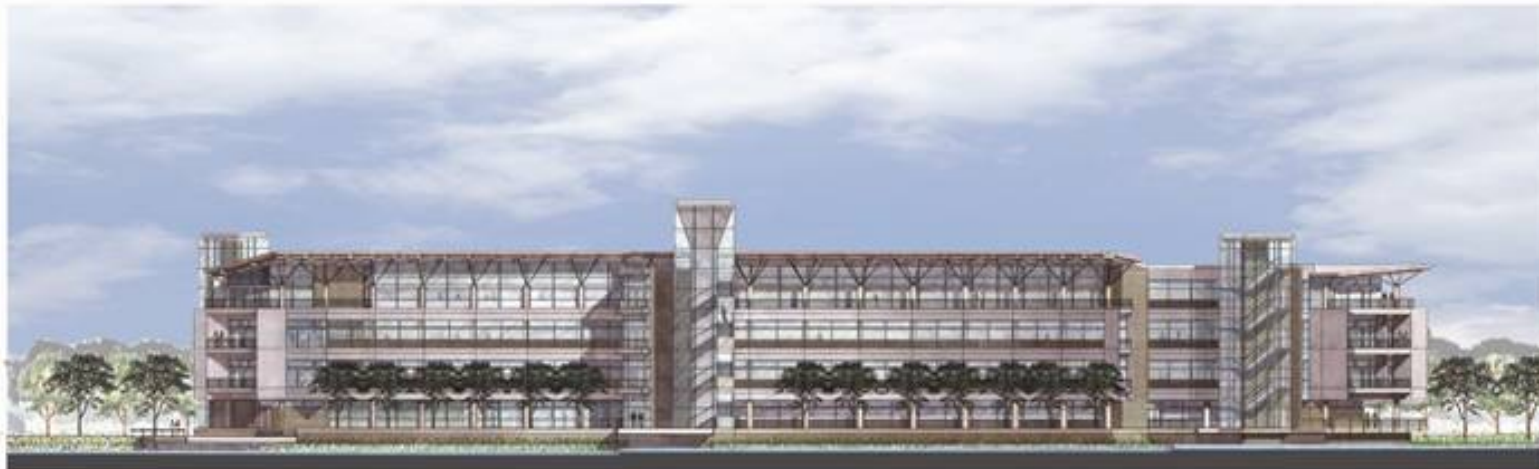
- 65.2% of total U.S. electricity consumption
- > 36% of total U.S. primary energy use
- 30% of total U.S. greenhouse gas emissions
- 136 million tons of construction and demolition waste in the U.S. (approx. 2.8 lbs/person/day)
- 12% of potable water in the U.S.
- 40% (3 billion tons annually) of raw materials use globally

\* Commercial and residential





SOUTH ELEVATION  
SCALE: 1/8" = 1'-0"



NORTH ELEVATION  
SCALE: 1/8" = 1'-0"

HEIFER INTERNATIONAL CENTER  
OFFICE BUILDING  
LITTLE ROCK, ARKANSAS  
APRIL 14, 2003 PERMITS

OWNER'S PROJECT MANAGER  
BOWEN TUCKER PARR, L.L.P., INC.  
ARCHITECT  
POLK STANLEY YEARY ARCHITECTS, LTD.  
LANDSCAPE ARCHITECT  
LUTHER BURNS SMITH  
STRUCTURAL ENGINEER  
UNIVERSITY ENGINEERS INC.  
MECHANICAL, ELECTRICAL, & PLUMBING ENGINEER  
UNIVERSITY ENGINEERS INC.

INTERIOR DESIGN  
CAMERON, HICKS ASSOCIATES  
SUSTAINABLE CONSULTANT  
BRIAN L. JORDAN  
INTERIOR DESIGNER  
POLK STANLEY YEARY ARCHITECTS, LTD.  
GENERAL CONTRACTOR  
C.C.

POLK STANLEY YEARY  
ARCHITECTS, LTD.  
2015 S. HIGHWAY  
LITTLE ROCK, AR 72201  
(501) 778-0000  
2115 S. HIGHWAY  
LITTLE ROCK, AR 72201  
(501) 778-0000



# Energy Efficiency and the Atmosphere

- Natural lighting
- Energy efficient electric lighting
- Lighting controls
- Energy efficient HVAC systems
- Overall reduction of 40 + % of energy usage
- Reduction of heat islands
- Light pollution reduction
- Encouragement of alternative transportation
- Use of light shelves
- Window shading and sun control
- High performance glazing
- Commissioning
- Less AC & Heating Duct Work







# Materials and Resources

- Waste generated during the construction process
- Minimize the use of raw materials
- Use of recyclable carpet
- Low emitting of paint chemicals
- Specify materials with a high recycled content
- Use a significant amount of materials manufactured within 500 miles of job site
- Use of materials that can be recycled



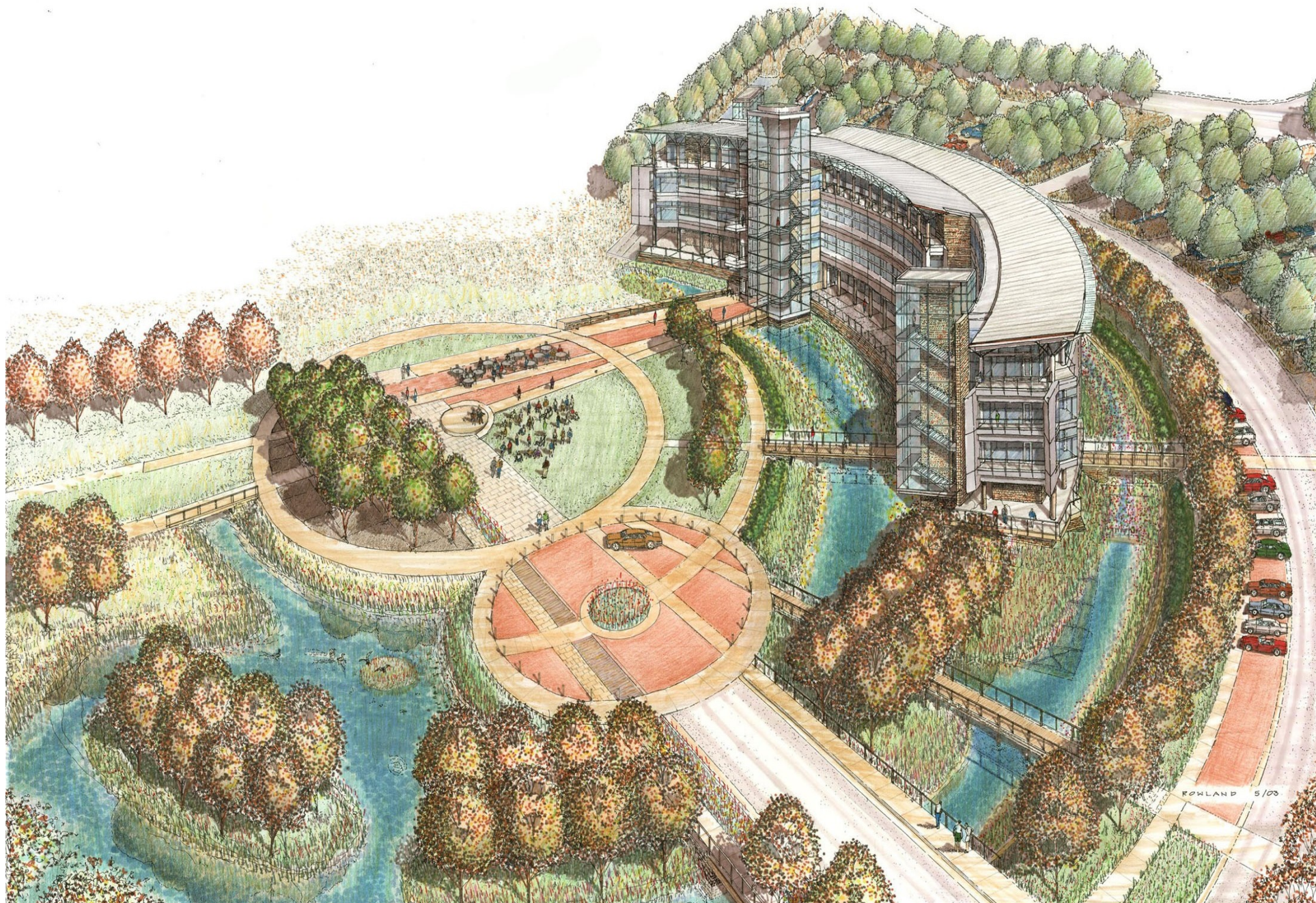




# The Importance of Water

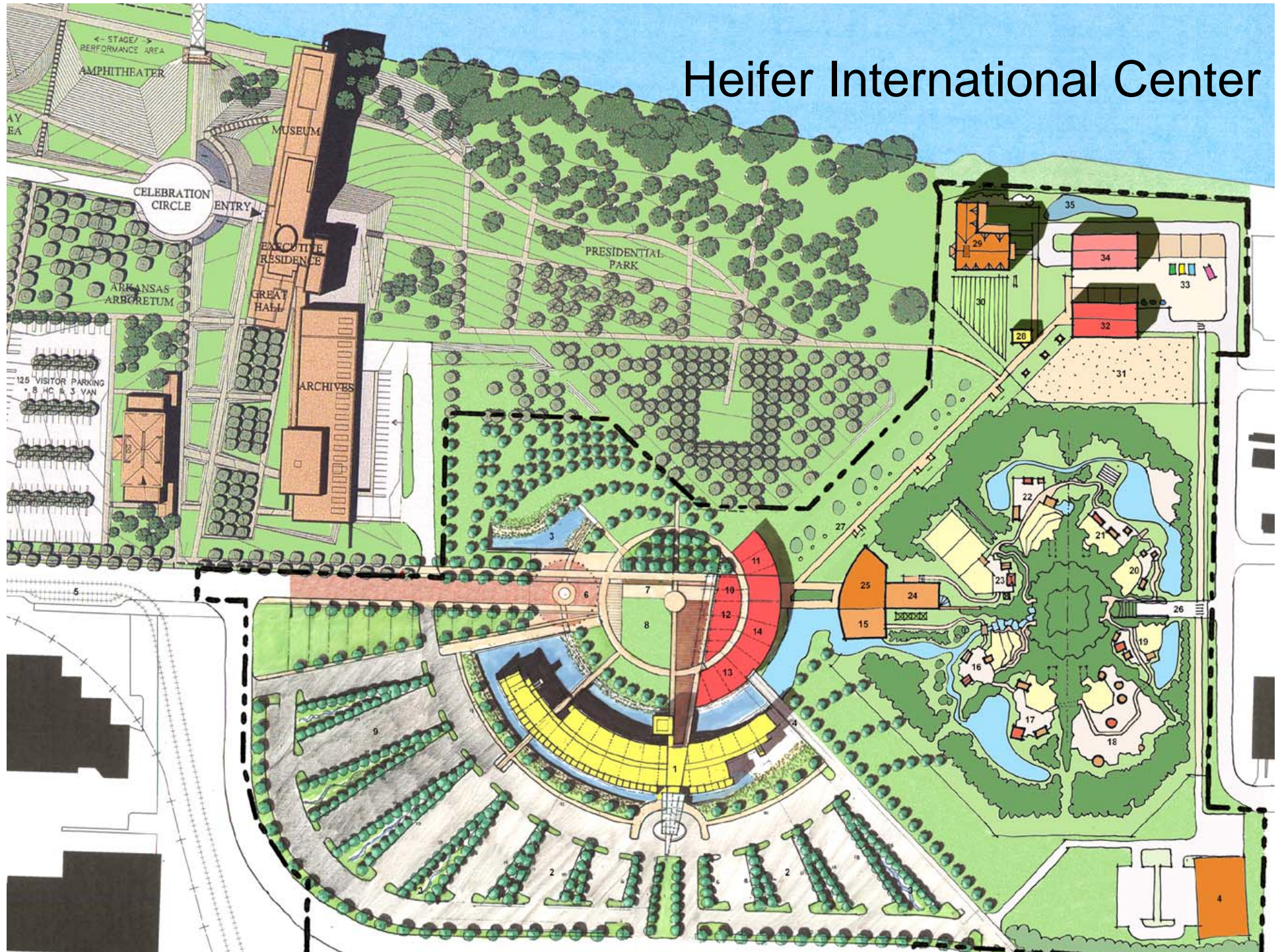
- **Life on Earth is a story about water.**
- **Water serves as our Commons, a gathering place for Life.**
- **Wherever there is water. Life clusters around it.**







# Heifer International Center



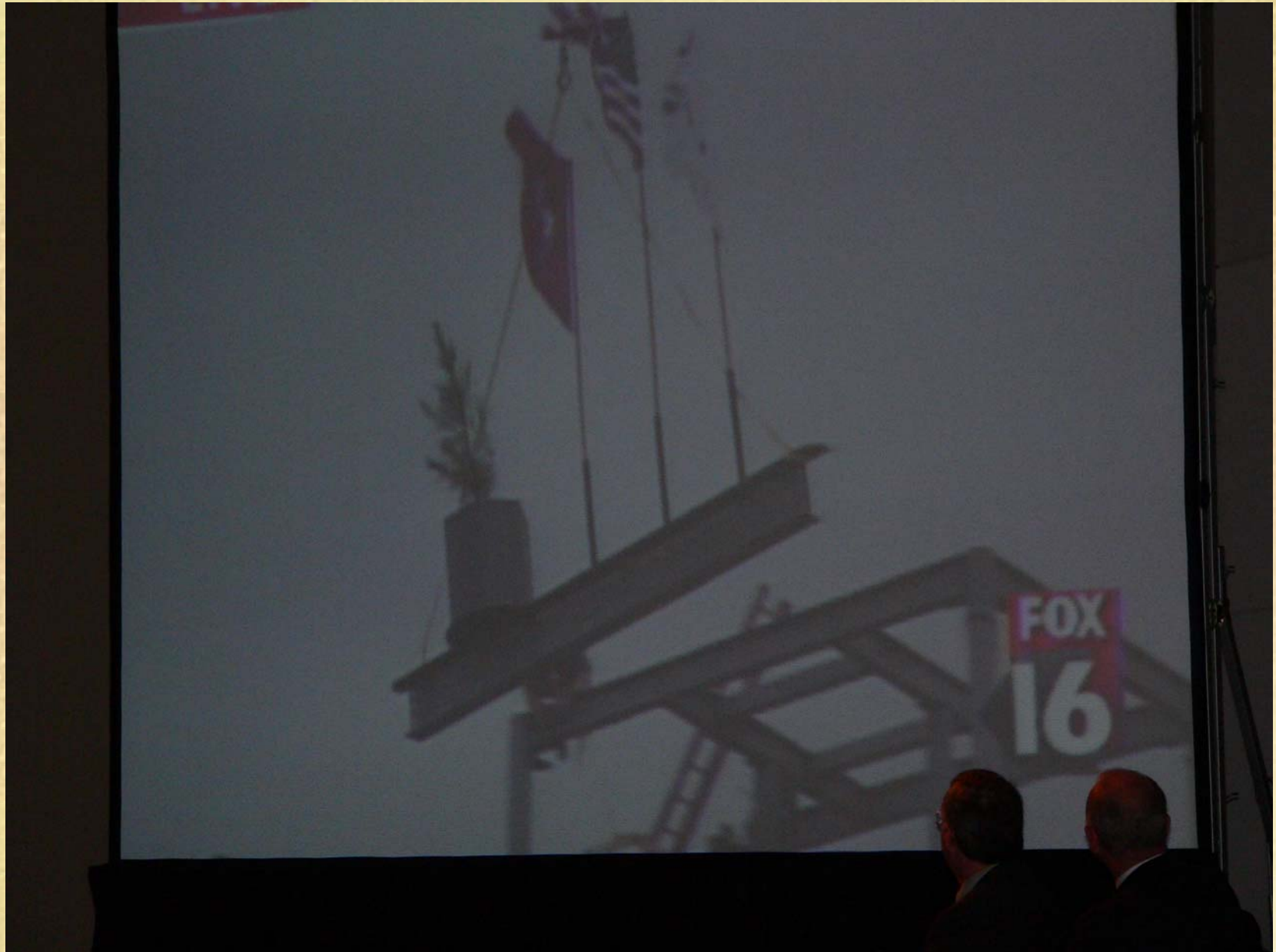
























*"First Arkansas Brownfield Certified for Reuse."*



**Little Rock, Arkansas**

**January 27, 2005**



*Marcus C. Devine*  
Marcus C. Devine  
Director, Arkansas Department of  
Environmental Quality



*Richard E. Greene*  
Richard E. Greene  
Regional Administrator  
EPA Region 6

# Heifer International Center Partners

City of Little Rock

Arkansas Department of Environmental Quality

EPA District 6

Polk Stanley Rowland Curzon Porter Architects,  
LTD

Larson Burns Smith













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